

A Problem of Chemical Dynamics, by A. M. Fainzil'ber.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXII, No 4, USSR,
1948, pp 457-460.

ABC Tr 1277

F-TS-7470 RE

Scientific - Chemistry NAD 45216

Jun 52 CTS

DEX

v

Dok Ak Nauk SSSR Vol 62, No. 4 (Oct)
PP 130-4-1 1948

Sound propagation in a liquid layer with constant
constant gradient of propagation velocity

Bril'yanov

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Proj # 8453

A-2274.1

SR Date: _____

Nov 1948
5/12/51

The Volume of the Uranyl Ion in Solution, by A. F.
Kapustinski, I. I. Lipilina.

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NLL M. 4530

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of Crystallization of Solid
Phase Colloids at High Temper-
atures.

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Platonova, E. A.
Rebinder, P. A.

Doklady Akademi Nauk SSSR, Vol. 62, 1948, #4, pp. 501-504; 2 figures, 2100 words.

Influence of Surface Activity of Liquid Medium upon
Cutting Processes and Machinability of Metals.

Bratkov Trans., Order No. 2 65, \$4.20

Determination Of the Suction Force Of Leaves By
the Compensation Method With the Aid Of A Refrac-
tometer by N. Maksimov and N. Petinov.

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No 4, 1940, pp 537-540.

CSIRO Tr 3061

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I-294

DAN Vol. 62, No. 5, 1948

"Siderite in the Devonian"

On Certain Criteria of Stability of the Integrals
of a System of Two Linear Differential Equations
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Yurovskiy, 7 pp. UNCLASSIFIED

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No 5, 1948, pp 595-598.

20,542

AEC J11192
Sci Tr Center
RT-2028

Scientific - Mathematics

Jan 55 CTS
~~Dec 54 678~~

Dependence of the Fluorescence Yield of Iodine
Vapor on the Wavelength of the Exciting Light,
by M. Alent'ev.

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pp 607-609.

AEC UCRL Tr 469

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Oct 59

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Gamma Spectroscopy Using Compton Electrons, by
B. S. Dzhelepov, M. L. Orbeli, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR Vol.
LXII, No 5, 1948, pp 615-617.

Sci Mus Lib No 56/3145

Sci - Physics

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Flint, R. A.
Graham, L. A.
Robinson, R. A.

Refractory Materials Handbook, Vol. 62, 1962, No. 6, pp.
633-675; 2 figs., 1 table, 1000 words.

Strain Hardening of Aluminum During Cutting in In-
active and in Surface-active Cutting Fluids.

Brooks, T. W., Order No. 2405, \$1.75

IN Reference to the Role of Sponges in Dynamics
of Silica in the Water of the Lake Baikal,
by K. K. Vetintsev.

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1948, pp 661-663.

Dept of Interior

Sci
Feb 62
Vol III, No 11

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Preparation of an Artificial Phytochromoprotein, by
D. I. Sapezhnikov.

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1948, pp 665 - 667.

AEC Tr 1094

Sci - Chem

Dec 51 CTS

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ABOUT THE PLASMODESMATA IN PLANT CELLS
IN DORMANCY. [1961] 5p. (13 refs. 4 figs. omitted).
Order from OTS or SLA \$1.10 62-10756

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v. 62, no. 5, p. 705-712.

DESCRIPTORS: *Plants, Physiology, *Cells (Biology).
*Growth, Metabolism.

(Biological Sciences--Botany, TT, v. 7, no. 10)

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1. Okrina, E. Z.

Office of Technical Services

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Order from OTS or SLA \$1.10 62-10755

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v. 62, no. 5, p. 713-716.

DESCRIPTORS: *Plants, *Cells (Biology), Physiology,
Rubber, Potatoes, Growth.

(Biological Sciences--Botany, TT, v. 7, no. 10)

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1. Satarova, N. A.

Office of Technical Services

Application of a Rotating Polarizer to the Study of
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Measurement of the Thickness of Thin Films, by
V. V. Karasev, B. V. Dergyanin, 8 pp.

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pp 761-764.

SLA 59-15112

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Sep 59
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Zbarskii, I. B. and Debov, S. S.
THE CELLULAR NUCLEI PROTEINS. [1961] 8p.
10 refs.

Order from OTS or SLA \$1.10

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Trans. of Akademiya Nauk SSSR. Doklady, 1948, v. 62,
no. 6, p. 795-798.

DESCRIPTORS: *Nucleoproteins, *Cells (Biology),
Plants, Animals.

(Biological Sciences--Biochemistry, TT, v. 7, no. 9)

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II. Debov, S. S.

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KALITOVSKAYA, A.B.

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**Experimental Determination of Optimum Quantity of Liquid
Phase in Ceramic Materials by the Method of Analogy**

Brutcher Trans 2387, \$2.10

POLEBOYARINOV, D.N.
POPEL'SKIY, R. Ya.

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On the Process of Sintering and on Certain Properties
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Alumina

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Thermodynamic Properties of Adsorption Complexes in
Heterogeneous Catalysis, by A. A. Balandin.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXIII, No 1,
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AEC Tr 219

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DRB T.17.R

July CTG

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Scientific - Chemistry

Experiments on the External Photoeffect of Semi-
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1948, pp 47-50.

AEC Tr 1513

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Scientific - Physics, semiconductors

Brookhaven Nat Lab 24 Mar 1953

060

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Vol 63, #1

(1948)

Generalized Integral Relation for Thermal Boundary
Layers & Application to Calculation of Heat Ex-
change.

L. I. Kudravskiy

In process - ANIC
(Telecom - Jan 51)

61/20183

DOK AK NAUK SSSR

Vol LXIII, No. 1, 4 pp, 1948

"Type M^{2Z-1}_Z Radioactive Nuclei"

V. S. Dzhelepov

Done by Brookhaven
see G to RSPL Vol 3, No 6, June 1950
Page 157

35/49T87

Electrical Conductivity of Chromium Sulphides,
by I. G. Galkidov, N. P. Grazhdankina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 63, No 1,
1948, pp 27-28.

Dept of Navy APL/JHU T-2364

Sci-Elec

Jan 70

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1948, pp 27-28.

AEC Tr - K 1147

Scientific - Chemistry

Measurements of the Viscosity of Polymolecular
Boundary Layers of Liquid by the Method of
Blowing, Boundary Phases, by B. Daryagin,
Y. Pichugin, 9 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 12111, No 1,
pp 53-56.

SLA 59-17402

Sci
Jan 60
Vol 2, No 8

105 581

Elastic Properties of Mono-Layers of Albumins
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Dependence in Connection with Thermal
Denaturation, by A. A. Trapeznikov, 8 p.

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SLA 59-17401

Sci
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On the Gas Exchange During Respiration of Grain
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V. L. Kretovich.

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Sci - Chemistry
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Dynamics of Nucleic Acids During the Conjugation
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7 pp.

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CDS 73 Oct 55

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On the Composition and Structure of Small Stringerlike
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Scientific - Min/Metals

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ON THE HIGH FLUIDITY OF SULPHIDE MELTS
AND THE POSSIBLE GEOLOGICAL SIGNIFICANCE
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28 Mar 61 [?]p. 1 ref.
Order from OTS or SLA \$1.10

61-19565

Trans. from Akademiya Nauk SSSR. Doklady, 1948,
v. 63, no. 2

DESCRIPTORS: *Iron compounds, *Sulfides, Melting,
Crucibles, Surface tension, Thin films, Chemical
analysis, Fluid flow, Impurities, Rock, Geology,
*Silicates, *Iron alloys, Deposits, Ores, Minerals.

(Earth Sciences--Geology, TT, v. 7, no. 6)

61-19565

I. Ol'shanskii, Ya. I.
II. Geological Survey of
Canada

Office of Technical Services

Emission of Photographically Active Particles in
the Atmospheric Corrosion of Metals, by I. L. Rodin,
RUSSIAN 5 pp.

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1948, pp 119-122.

Def Sci Info Sv DMR Canada
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Scientific - Minerals/Metals Jun 53 CMC

SKA R-1763

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ON THE OXIDATION MECHANISM OF ALLYL
ALCOHOL AND ACROLEIN. [1963] Sp Sreda
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Trans. of Akademiya Nauk SSSR, Doklady, 1948, v. 63,
no. 2, p. 143-145.

DESCRIPTORS: *Alcohols, *Acroleins, Oxidation,
Allyl radicals, Silver catalysts.

(Chemistry--Organic, TT, v. 11, no. 1)

TT-63-20521

1. Title: Allyl alcohol
- I. Zimakov, P. B.
- II. Pokrovskii, V. A.

Office of Technical Services

Recombination of Atoms on Solid Surfaces by
V. V. Voovodakiy and G. K. Lavrovskaya

RUSSIAN, Dok Ak Nauk SSSR, Vol 63, No 2, 1948,
pp 151-4

See Upton, New York State: Brookhaven National
Laboratory

Guide to Russian scientific per lit, Vol 3, No 1,
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ATS/RJ-3026

Scientific

The Flow Method of Ultramicroscope Measurement of
the Particle Concentration of Aerosols and Other
Dispersion Systems, by G. Vlasenko, B. H. Deriagin,
4 pp.

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LXIII, No 2, 1948, pp 155-158.

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RT-1910

52A59-17171

Scientific - Physics

Jan 55 CTS/DEX

Optical and Photochemical Properties of Chlorophyll
in Different Forms of Binding, by A. A. Krasnovskii,
S. P. Brin, 6 pp. UNCLASSIFIED

Abstract, thrice-mo per, Dok Ak Nauk SSSR, Vol 180, No 2, 1948, pp 163-165. EX-101

CIA/FDD/X-1500

Scientific - Chemistry

19,591

Veevedskii, V. V. and Lavrovskaja, G. K.
RECOMBINATION OF ATOMS ON SOLID SURFACES
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[1961] 4p.
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ATS-84N51R

Trans. of ~~Vysokomol. Soedin.~~ Doklady, 1948,
v. 63, no. 2, p. 151-154.
Another translation is available from SLA as RT-612.

DESCRIPTORS: Atoms, *Recombination reactions,
Surfaces.

61-22605

I. Veevedskii, V. V.
II. Lavrovskaja, G. K.
III. ATS-84N51R
IV. Associated Technical
Services, Inc., East
Orange, N. J.

14001

Aspartic-Alanine Aminotransferase, by M. G. Kritsman,
O. P. Samurina, 7 pp.

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Scientific - Chemistry

22, 2/2

CTH 66/Mar 1955

Frimer, A. I.
ELECTRON MICROSCOPE STUDIES OF ANTIMONY
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Order from OTS, SLA, or ETC \$1.10 TT-63-23942

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v. 63, no. 3, p. 255-257.

DESCRIPTORS: *Thin films, *Metal films, *Antimony,
*Cesium, Vapor plating, Microstructure, *Electron
microscopy,

(Physics--Solid State, TT, v. 11, no. 6)

TT-63-23942

- I. Frimer, A. I.
- II. AERDL T-1690
- III. Army Engineer Research
and Development Lab.,
Fort Belvoir, Va.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

55/497110 Blackman Hill Tab

Vol 2 No 3

DAN Vol. 63, No. 3, 1948

"Speed of Ultrasonic" ---

V. F. Nozdrev

DOK AK NAUK SSSR

Vol LXIII, No 3, 1948, 2½ pp

"Influence of Surface on the Polymerization of Vinyl
Acetate"

A. Ya. Pavlushina

M. V. Polyakov

AEC/BNL/tr - 127

55/49T22

DOK AK NAUK SSSR

Vol LXIII, No 3, (4 PP) 1948
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"Dispersion of a Droplet in an Air Stream"

M. S. Volynskiy

Trans Avail @ Sci Museum

Trans # 50/1228

Great Brit

Done also by AEC #168

Brookhaven

36/49T80

Fine Structure of the Gamma Lines of RaC by
V. V. Gey, G. D. Latuishev and M. V. Pasechnik

RUSSIAN, Dok Ak Nauk SSSR, Vol 63, No 3, 1948,
pp 239-42

See Upton, New York State: Brookhaven National
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Feb 1950, pp 33-36

Sci Museum Lib No 50/3268 - London

SLA 61-17435

Scientific

The Role of Copper in Obtaining Metallo-Aromatic
Compounds by Diazo -- Reaction and Some Considerations
on the Mechanism of the Sandmeyer Reaction, by A. B.
Bruker and F. L. Maklajev, ~~3000000~~ 7 pp.

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Scientific - Chemistry

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Experiment on the Fractional Separation
of Salts of Calcium Chloride Brines of
Several Subterranean Waters of the ~~Az~~
Saratogan Gaseous Layer, by Ya, Ya. Dodonov,
L. V. Eferova, et al.

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SLA TT 64-20190

Apr 67

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E. I. Dontsova

The examination of the process of oxidation of iron
(rusting) with the aid of oxygen isotopes.

RUSSIAN per Doklady Akademii Nauk SSSR, 1948, Vol 63,
No 3, pp 305-6

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Determination of the Coordinate Axes of the Basic
Physiological System From Experimental Color
Blindness, by Ye. N. Yustova. UNCLASSIFIED

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1948, pp 383-385.

Navy 2239/ONI 534

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Aug 59

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New Family of Parasitic Muscoid Diptera from Peshov
Savolen'ia, by B. N. Rodendorf, 9 pp.

RUSSIAN, three-no per, Dokl Ak Nauk SSSR, Vol LXIII,
No 4, 1968, pp 455-458.

Sci Tr Center RT-1220

Scientific - Biology

Jul 94 CTR

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New Species of Bot-Flies From Under the Hide of
Orongo Antelopes, by K. Ya. Grunin, 3 pp.

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No 4, 1948, pp 469-472.

Sci Trans Center RT-424

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Scientific - Biology
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Problem in Torsion, by D. I. Sherman.

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Vol LXIII, 1948, pp 499-502.

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Sci - Engr

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Vol 63, # 5

(1988)

Motion of Particles of Products of Detonation of
Linear Charge
K. P. Stanyukovich

In process - AMK
(Jelutem - Jan 51)

Contribution to the Theory of the Coercive Force
of Steel, by E. Kondorskiy

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XXXXI, No 5, 1948, pp 507-510.

Brutcher Tr 3221

Scientific - Minerals/Metals

DD/DEX

Price \$3.90

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Monochromatic Positrons of Internal Conversion by
G. D. Latunishv, V. V. Gey, A. A. Bashilov and
I. F. Barchuk 528

RUSEIAN, Dok Ak, Vol 63, No 5, 1948, pp 511-3

See Upton, New York State: Brookhaven National
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Feb 1950, pp 37-40

0100 U E C 52A 61-17456
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Also Brookhaven
See G to RSPH Vol 3, No 2, 1950.
See [unclear] [unclear] [unclear]

The Thermodynamic Basis of the Principle of Trans-
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1948, pp 545-548.

Sci Tr Ctr RT-3410

Scientific - Chemistry

345, 9/4

May 56 CTS/dex

Detonation of Gaseous Mixtures, by S. M. Kogarko,
Y. B. Zel'dovich, 9 pp.

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1948, pp 553-556.

SIA TR R-1175

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Dielectric Properties of Adsorbed Vapors by L. N. Kurbatov

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Contribution to the Question of the 22-Year Cycle
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1948, pp 629-630. *274 62*

ATIC F-TS-5614/v

Sci - Astron
Mar 59

82, 842

Adsorption Isotherms of Solutions Involving Phase
Separation and Crystallisation. Adsorption of
Phenol from Solutions in Heptane on Silica Gel,
by K. Gh. Krasil'nikov, and A. V. Kisilev,
UNCLASSIFIED

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pp 693-699.

Sci Mus Lib No 52/2940

Scientific - Chemistry

25 October 1952

... Solutions in the system $H_2O - Fe_2O_3$, by N. A.
... and A. I. Borishko.

... relation.

... no par, Dok Ak Nauk SSSR, Vol LXIII, No 6,
... pp 705-708.

AEC Tr 1438

SLR TR R-1036

... Chemistry, $H_2O - Fe_2O_3$

Nov 52 CTS/ERX

On the Subject of Paragenesis of Titanium Organic
Carbon, and Some Other Elements, by L. V.
Khmalyovskaya, N. G. Morozova, 8 p.

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No 6, pp 713-715.

SLA 59-16376.

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Feb 60
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(1948)

V. L. Ryzhkov, Some Laws Governing the Action of
Suppressors of Viruses and Bacteriophage.

Prof. # 841?

L. M. Fl.

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 1951 V76 N4 P519-522
 1951 V76 N4 P547-550
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 1951 V78 N3 P473-476
 1951 V78 N5 P921-924
 1951 V79 N1 P53-56
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 1951 V79 N3 P431-434
 1951 V80 N4 P635-638
 1951 V80 N5 P759-760
 1951 V81 N2 P285-288

70-22623 (<*)
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 70-22619 (<*)
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 70-11190-20C (<*)
 70-22620 (<*)
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 70-11175-20C (<*) 0
 70-11191-20L (<*)
 70-11189-20C (<*)
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DOK. AK NAUK SSSR

Vol LXIV, No 1, 2 pp, 1949

"Surface Tension in Eutectic Alloys"

Iu. A. Klyachko
L. L. Kunin

AEC/BNL/ tr - 119

26/49T79

DOK AK NAUK SSSR

Vol LXIV, No 1, 3 pp, 1949

"The New Theory of Solar Eruptions and Sudden
Disturbances of the Ionosphere in the D Layer Dependent
Upon Them"

I. S. Shklovskiy

NRL Trans 211

26/49T84

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Vol LXIV, No 1, 4 pp, 1949

"Organic Peroxide From Green Leaves"

P. A. Kolesnikov

Done by AEC
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26/49T3

Observation of the Region of the Galactic Center in
the Infrared, by A. A. Kalinyak, V. I. Krasovskiy,
V. B. Nikonov, 8 PP. UNCLASSIFIED

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Scientific - Astronomy

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A New Oxide of Potassium, by I. A. Kazarnovskiy et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIV, No 1, 1949,
pp 69-72.

ATS RJ-1691

Sci - Chem

Jul 59

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Photochemical Reaction of Organomercuric Compounds
in Solutions, by G. A. Razuvuev, Yu. A. Ol'dekop,
7 pp.

RUSSIAN, thrice-mo. per, Dok Ak Nauk SSSR, Vol LXIV,
No 1, 1949, pp 77-80.

CIA/FDD/X-1192

Scientific - Chemistry
CTS/DEX

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Andreeva, N. A. and Bukin, V. N.
EEN FLUORIMETRISCHE METHODE VOOR BEPALING
VAN FOLIUMZUUR (Fluorometricheskii Metod Opre-
deleniya Folevoi Kisloty) (Fluorometric Determination
of Folic Acid) tr. by R. Belz. 8p. 3 refs. MTWL: 873.
(text in Dutch).
Order from OTS or ETC \$1.55 61-17637

Trans. of Akademiya Nauk SSSR. Doklady, 1949,
v. 64, p. 95-98.

DESCRIPTORS: *Folic acid, Vitamin B, Fluorophoto-
meters, *Fluorescence.

61-17637

- I. Andreeva, N. A.
- II. Bukin, V. N.
- III. MTWL-873
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Study of the Initial Stages of Build Up and Decay
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Variations in the Spectral Sensitivity of the
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TR No 734

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"Oscillations of a Wing Profile in a Supersonic Stream"

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C.F. Abst. of Tech Int. Doc.

(Card on file in subject file under "Wings")

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Discrepancy in pages 4 pp (FDB) vs. 155 pp.

states partial English translation

27/49T2

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Oscillations of an Airfoil in a Supersonic Flow
R. I. Lyzner
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β^+ - β^- Decay in Br^{80} , by E. S. Dzhelepov,
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Positrons of Internal Conversion by L. A. Sliv

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The Ultrasonic Microscope, by S. Ya. Bokolov, *5 pp*
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Scientific - Metallurgy

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The Process of Catalytic Alkylation of Aniline by
H-bartane, by K. Lavrovskii, A. Mikhovskaya and L.
Olen'chenko.

Full translation.

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Artemov, I. S.
NEW METHOD OF HIGH-GRADE DISTILLATION OF
LIQUIDS. [1963] [6p]
Order from OTS, SLA, or ETC \$1.10 TT-63-20794

Trans. of Akademiya Nauk SSSR. Doklady, 1949,
v. 64, no. 3, p. 357-360. (Abstract available)

DESCRIPTORS: *Distillation, Liquids, Water,
Pressure, Vaporization, Gas flow,

The liquid is evaporated at a temperature lower than
its boiling temperature under atmospheric pressure,
with a stream of purified air sweeping its surface to
carry off the vapor. The rate of distillation at a given
temperature increases with the velocity of the air
stream particularly at low velocities and tends to level
off as the velocity is increased. Water distilled once
by this method has an electrical conductivity of
 $0.5 \times 10^{-6} \text{ ohm}^{-1}$, i.e., a purity of the same order as
(Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20794

I. Artemov, I. S.

Office of Technical Services

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"Effect of Preliminary Darkening of
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On the Chemical Mechanism of Impulse Transmission in
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May 58

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"Emission During Collisions of High-Velocity Neutrons With
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I. Pomeranchuk
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Done by Brookhaven and pub. in
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May 1949, Pages 159-162

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Measurement of the Absolute Output of Luminescence
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M. I. Epshteyn, 8 pp.

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Radiation on Collision of Fast Neutrons With
Protons by I. Pomeranchuk and I. Shmushkevich

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Laboratory

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Increase in the Luminescence of ZnS-Cu, Co Phosphor,
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Quantum Theory of Relativity
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V. R. Brilliant

Proj 6493

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